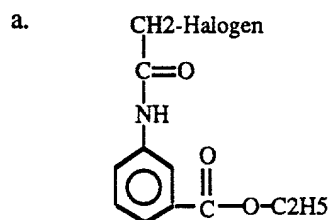
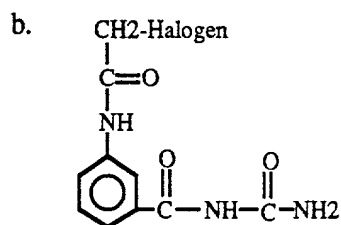


Figure 1.



3-Haloacetamido benzoyl ethyl ester



3-Haloacetamido benzoylurea

Figure 2

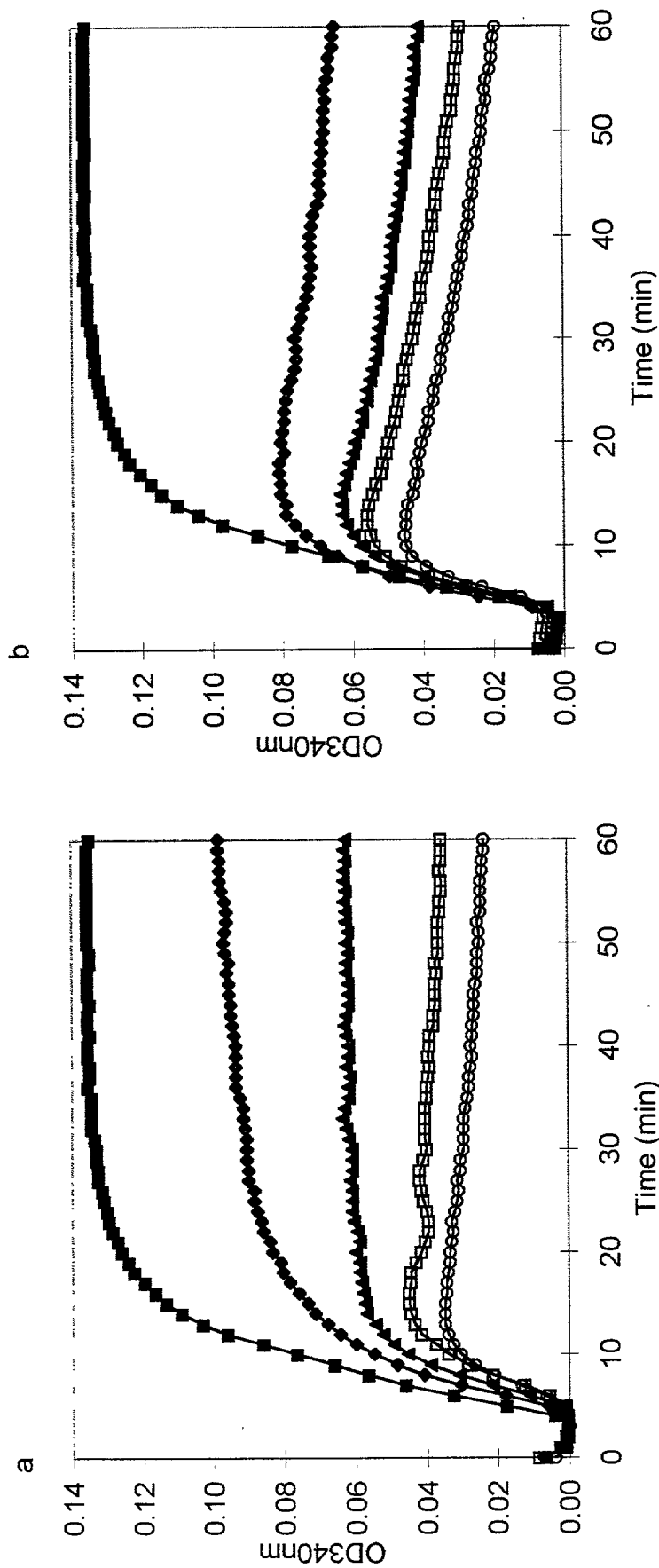


Figure 2

Figure 3

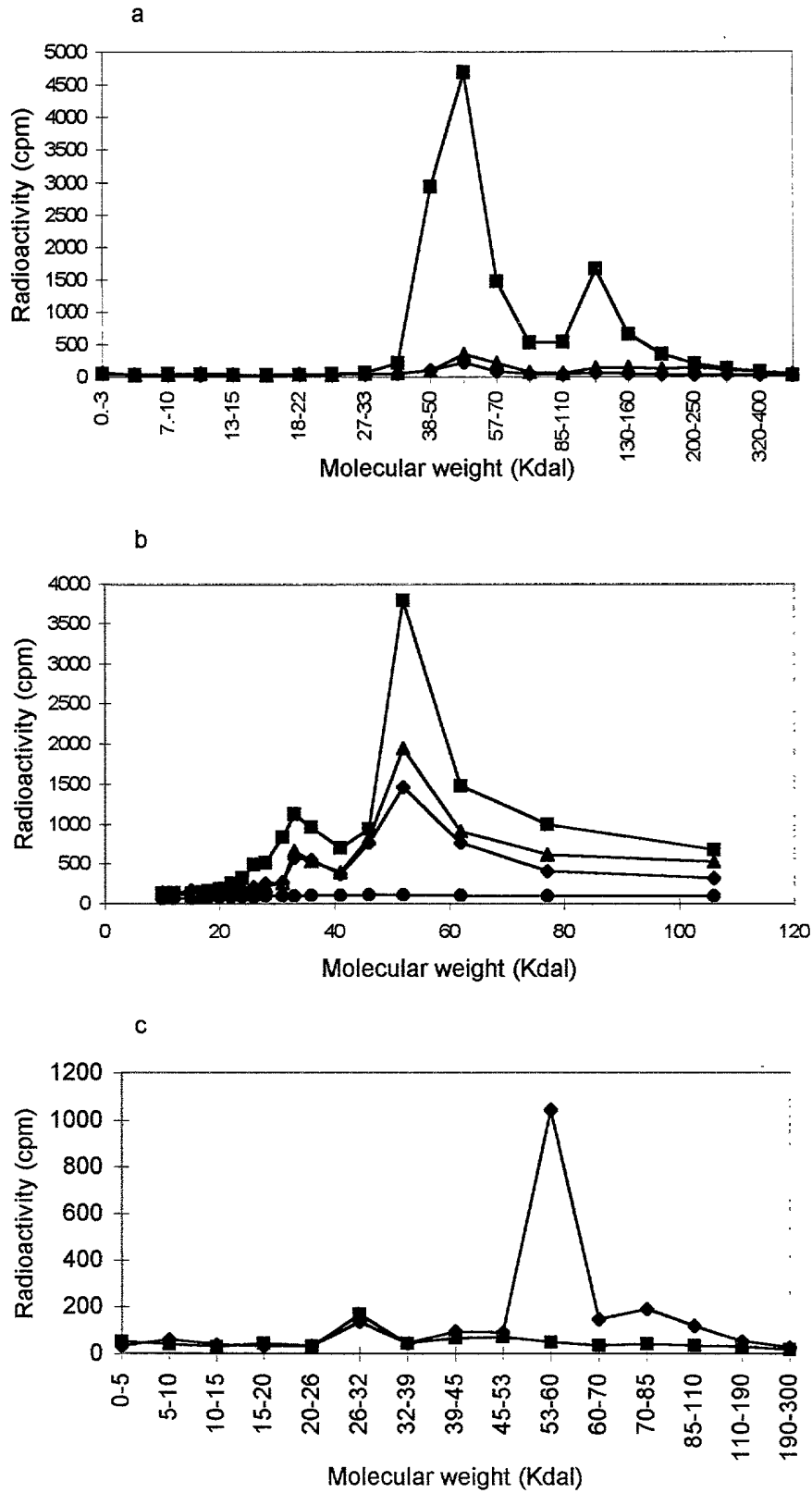


Figure 4

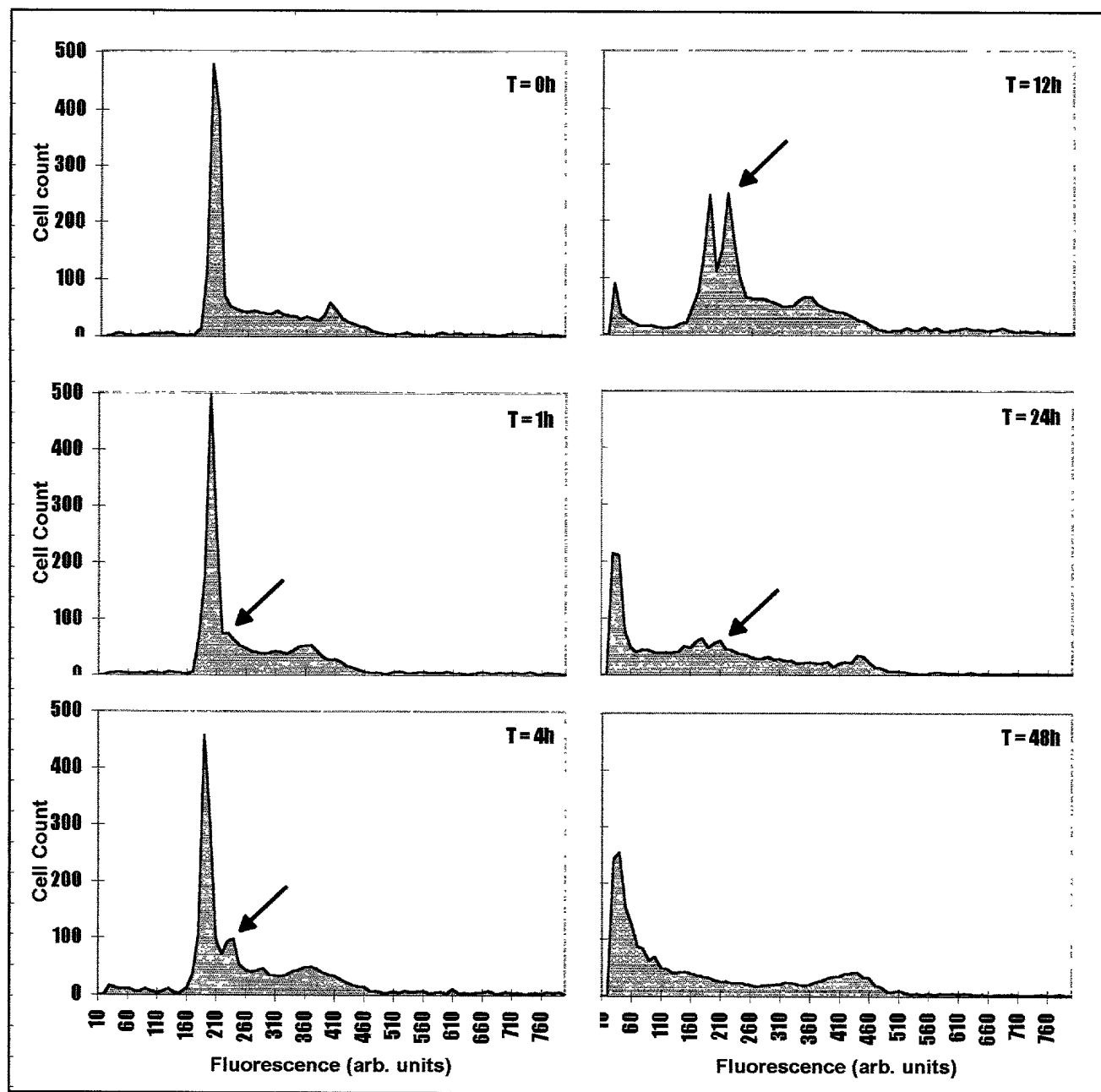


Figure 5

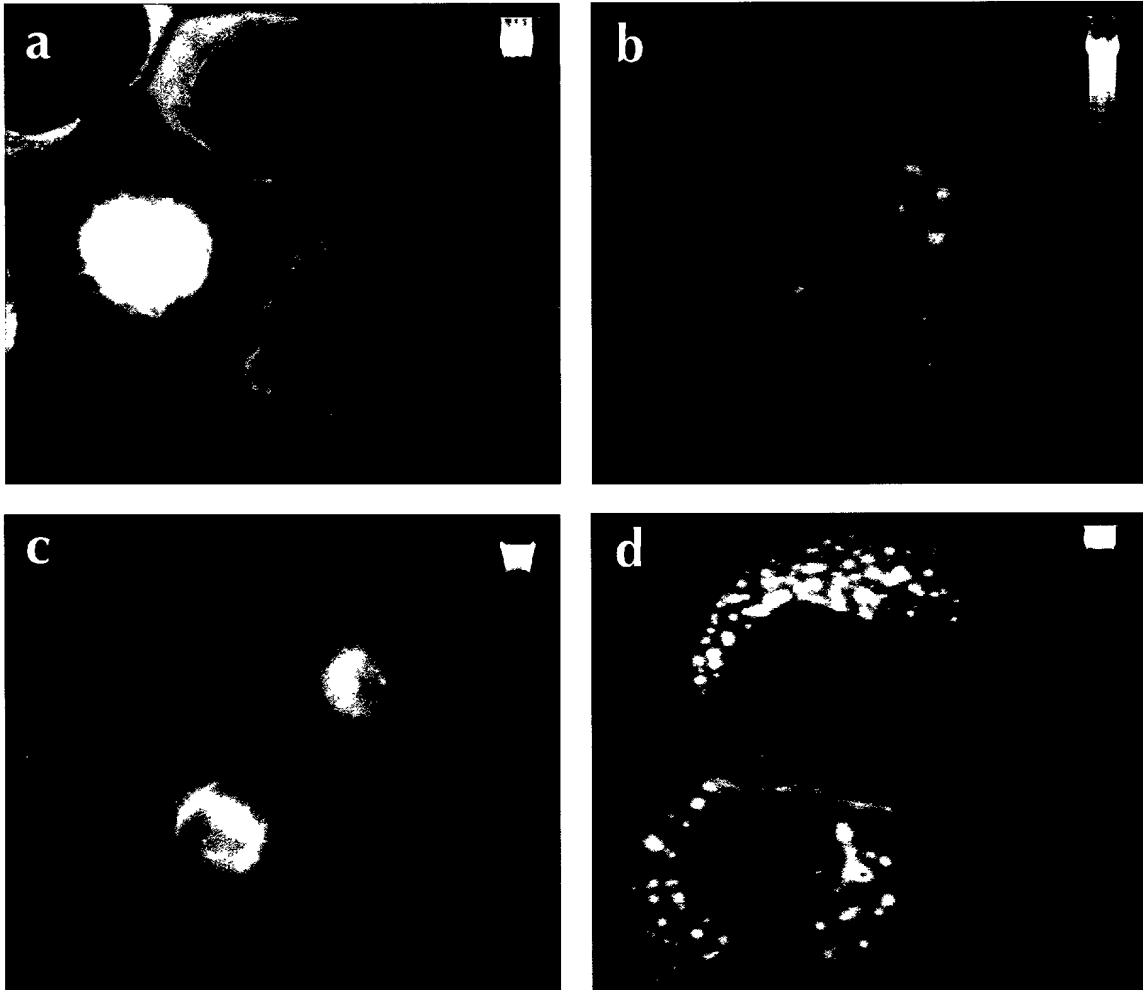


Figure 6

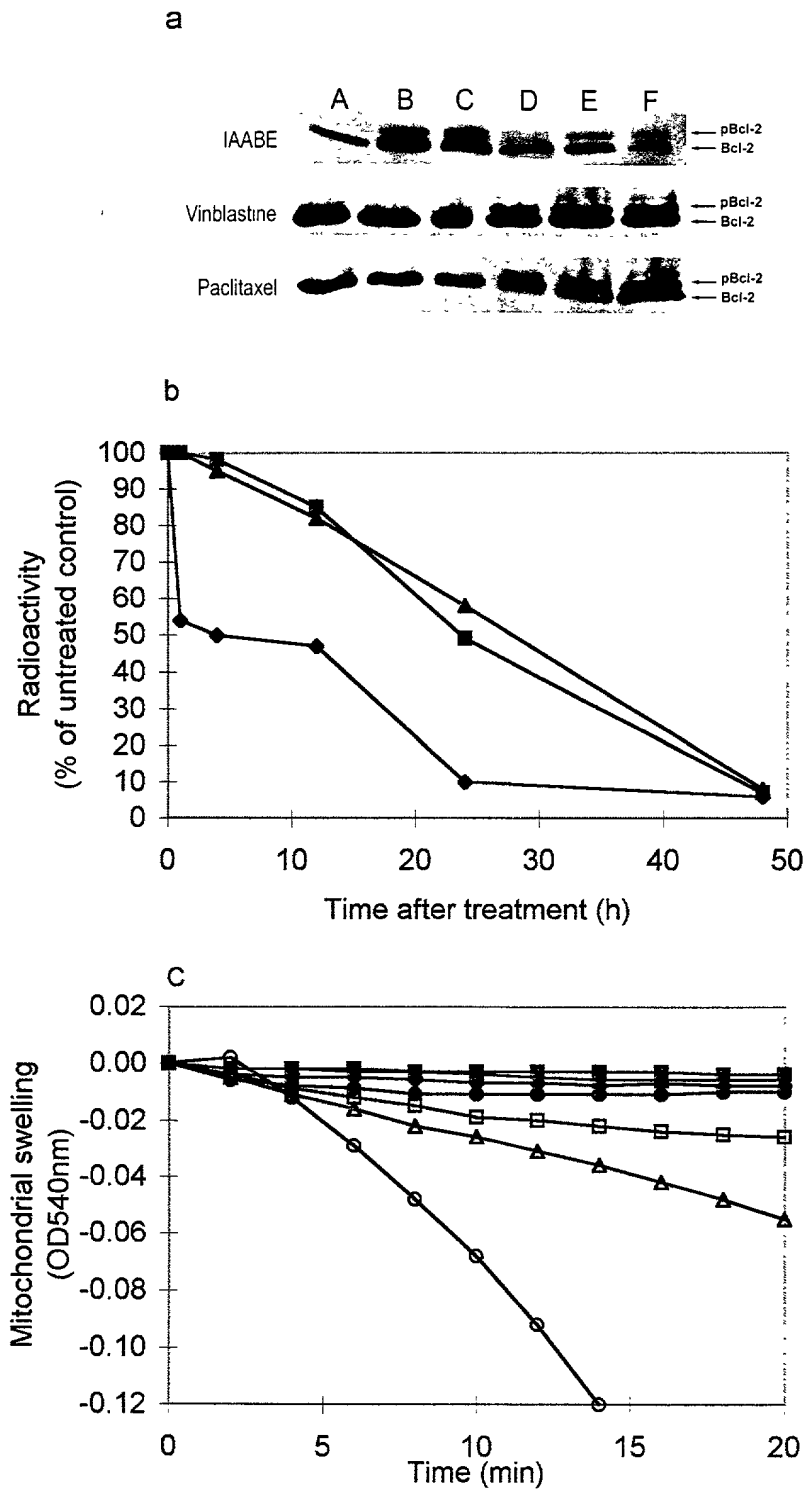


Figure 7.

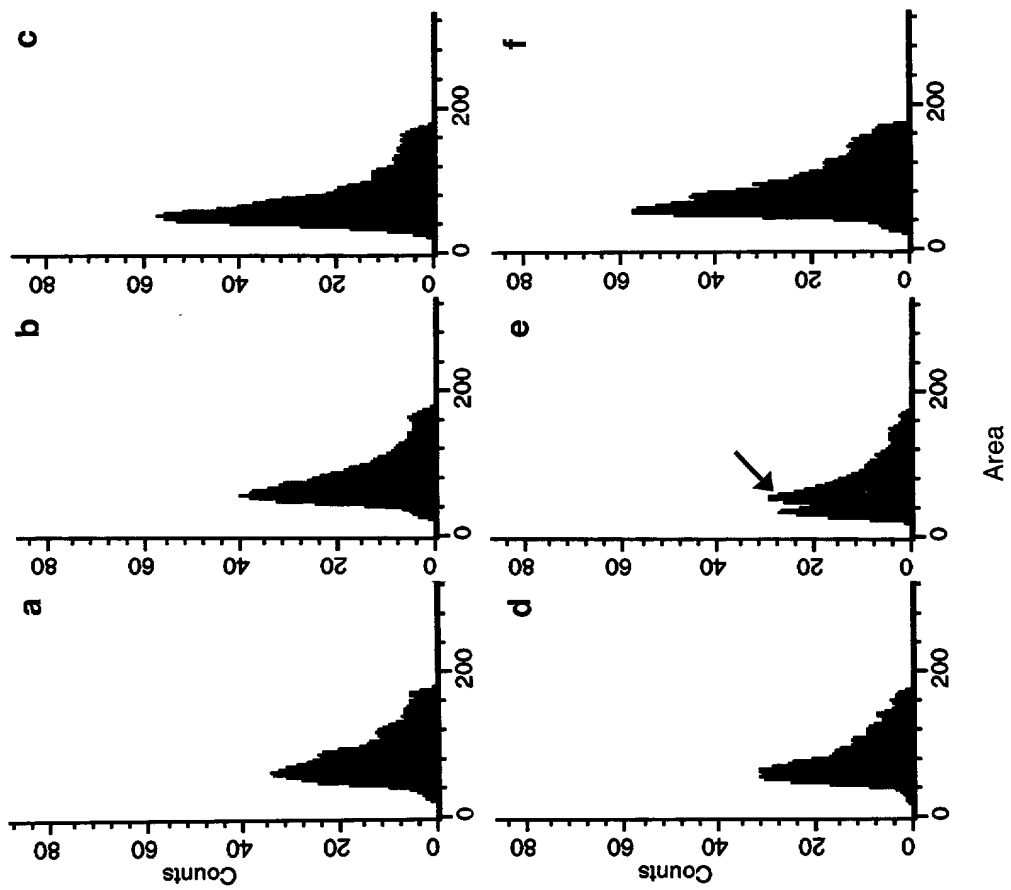


Figure 8

| Halogen | MW | Microtubule Assembly IC50 (uM) | Cancer Cell Cytotoxicity ID50 (uM) |
|---------|-----|--------------------------------------|--|
| F | 233 | >100 | >79 |
| Cl | 241 | >100 | 7.7 |
| Br | 253 | 10 | 1.9 |
| I | 271 | 2.5 | 0.17 |

Figure 9

| Human Tissue Type | Cell Line | Cytotoxicity (ug/ml) | |
|----------------------------|------------------|----------------------|------|
| | | ID50 | ID90 |
| T-cell Leukemia | CEM | 0.047 | 0.1 |
| Myelodysplasia Syndromes | Sp | 0.085 | 0.25 |
| Melanoma | DND-1A | 0.25 | 0.51 |
| Renal Cancer | 786-0 | 0.042 | 0.08 |
| Breast Cancer | MCF-7 | 0.12 | 0.49 |
| Non-small Cell Lung Cancer | NCI-H522 | 0.05 | 0.09 |
| Colon Cancer | HCT-116 | 0.09 | 0.41 |
| Lymphoma | Daudi/wt* | 0.007 | 0.05 |
| Lymphoma | Daudi/MDR* | 0.005 | 0.06 |
| Normal Lymphocytes | PHA stimulated** | 2.5 | 5.5 |

Figure 10

| Tumor* | Treatment | Number of mice | Therapeutic regime | Tumor bearing mice** (tumor volume**) | Tumor free mice** |
|------------------------------------|-----------|----------------|-----------------------------------|---------------------------------------|-------------------|
| Murine EL4 Lymphoma (s.c. implant) | Solvent | 15 | s.c. injection on day 4,6,8,11,13 | 15 (2731+/-807) | 0 |
| Murine EL4 Lymphoma (s.c. implant) | BAABE | 15 | s.c. injection on day 4,6,8,11,13 | 3 (1064+/-411) | 12 |

Figure 11

| Compound | Dose (mg/kg) | Treatment Schedule | TI% | TF/T |
|-------------|-----------------|-----------------------|-----|------|
| Control | Diluant* | i.v. day 1,2,3 | 0 | 0/10 |
| 3-IAABE | 15 | i.v. daily x4 x2 | 43 | 0/10 |
| 3-IAABE | 25 | i.v. 1,2,3 | 85 | 2/10 |
| Paclitaxel | 30 | i.v. q3 x3 | 90 | 0/10 |
| Vinblastine | 3 | i.v. q6d x3 | 80 | 0/10 |